Perform Various Outlook operations in A360 using DLL

Readme

Version 1.0

01/30/2023

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1. Introduction

This document contains all the essential information for the user to make full use of this A360 Bot.
It includes a description of the functions and capabilities and step-by-step procedures for the setup & configuration of the Bot.

1.1 Overview

The OutlookOperationsUsingDLL Bot is designed to perform various operations on Microsoft Outlook to read, process, and send mail.

1.2 Use cases

This bot can perform various operations like reading mail, processing each mail item and sending new mail, etc on the Microsoft Outlook application.

- This can perform various outlook actions such as launch outlook, select inbox, select a specific folder, close outlook etc
- This can perform various mail actions such as select mail item, mark read/unread, move mail, delete mail etc
- This can perform various Calendar appointment operations.
- This can perform various Meeting request operations.

2. Requirements & Prerequisites

2.1 System Requirements

Below are the minimum system requirements for running bots as an Enterprise A360 (Cloud deployed) or Community Edition user on your local machine.

Hardware Requirements

Device	Processor	RAM	Storage (Free Space)	Network

Machine	Intel Core i5 2.6 GHz	4 GB minimum 8 GB recommended	32 GB	1 GbE
Bot Creator and Bot Runner	No additions to the machine requirements	No additions to the machine requirements	Add 100 through 150 KB per Automation Anywhere script Add 40 through 50 GB per long-term project	No additions to the machine requirements

Browser Requirements

The user interface for Automation Anywhere Enterprise is through a browser. Login to your device then login to Enterprise Control Room through a browser.

Browser	Browser Version	Automation Anywhere plug-in version[2]	Supported bot functions by Bot agent version		
Google Chrome[1]	57 or later	11 or 12	2.0.2	1.0.2	1.0.1
Microsoft Internet Explorer	11	N/A	None	Debugger only	All except Credential Vault

(1) Google Chrome re-verification

> **CAUTION:** Google Chrome requires re-verification of permissions when the Automation Anywhere Google Chrome extension (Version 11.3.3 or later) is updated. If prompted, click **Enable this item** in the Google Chrome message. Alternatively, re-enable the extension through chrome web store. Similarly, if you are deploying your Bot Runners from a master image, accept the permission from within that image.

(2) Google Chrome plug-in versions

> A2019 supports Chrome plug-in version 11. If you have other versions installed, you might not be able to record tasks using the **Record** feature or **Capture** action. To resolve this issue, do the following:
>
> 1. Rename the automation.chrome.agent registry key to automation.chrome.agent.old. The registry key is available at: Computer\HKEY_CURRENT_USER\Software\Google\Chrome\NativeMessagingHosts
> 2. Disable all other Google Chrome plug-in versions you have installed, except for version 11.

2.2 Prerequisites

No specific prerequisites beyond the installation of A360.

3. Getting Started

3.1 Quick Start

3.1.1 Setup

No specific setup is required to execute this bot. Navigate to Bot Store > OutlookOperationsUsingDLL- Automation Anywhere > OutlookOperationsUsingDLL to find the bot and examine its setup.

3.1.2 Configuration and Execution

To execute the bot, navigate to Bot Store Store > OutlookOperationsUsingDLL- Automation Anywhere > OutlookOperationsUsingDLL to see the bot's setup and configuration. With the Bot opened, click the "Run" button in the top right corner.

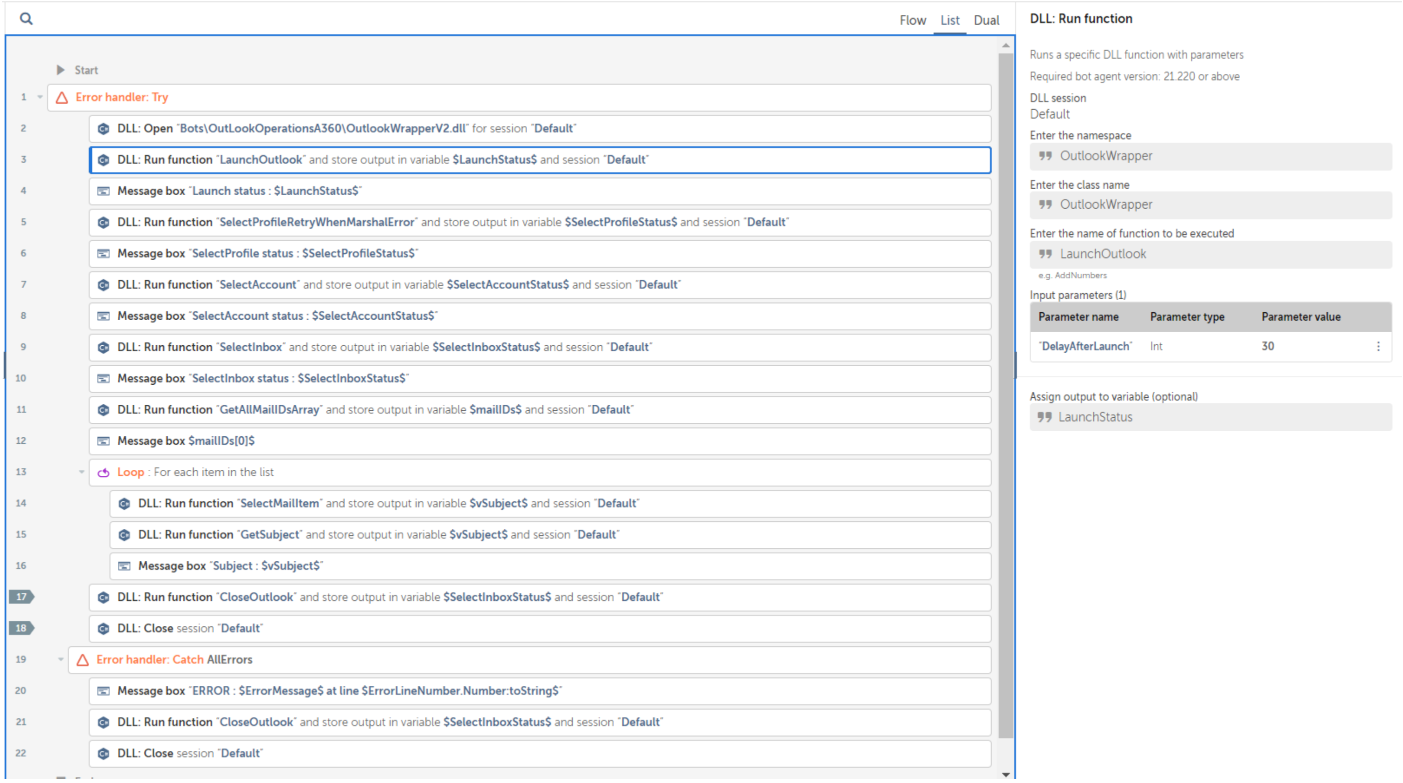
The bot will begin executing, and save the output from DLL into multiple variables . Also, the bot will logs the INFO ,ERROR logs within below given folders.
Info Logs - C:\ProgramData\AutomationAnywhere\Bots\Logs\OutlookOperationsUsingDLL-Automation Anywhere\Logs
Error Logs - C:\ProgramData\AutomationAnywhere\Bots\Logs\OutlookOperationsUsingDLL-Automation Anywhere
Error snapshots - C:\ProgramData\AutomationAnywhere\Bots\Logs\OutlookOperationsUsingDLL-Automation Anywhere\Snapshots

Details of the DLL as follows.

Namespace: `OutlookWrapper`
Class Name : `OutlookWrapper`
Functions : `LaunchOutlook, SelectProfileRetryWhenMarshalError, SelectAccount, SelectInbox etc`

Get the DLL details and check the more available functions & its input parameters.

You can download the DLL source code from https://github.com/AutomationAnywhere/A360-PerformVariousOutlookOperations



```
Start
1  Error handler: Try
2      DLL: Open "Bots\OutLookOperationsA360\OutlookWrapperV2.dll" for session "Default"
3      DLL: Run function "LaunchOutlook" and store output in variable $LaunchStatus$ and session "Default"
4      Message box "Launch status : $LaunchStatus$"
5      DLL: Run function "SelectProfileRetryWhenMarshalError" and store output in variable $SelectProfileStatus$ and session "Default"
6      Message box "SelectProfile status : $SelectProfileStatus$"
7      DLL: Run function "SelectAccount" and store output in variable $SelectAccountStatus$ and session "Default"
8      Message box "SelectAccount status : $SelectAccountStatus$"
9      DLL: Run function "SelectInbox" and store output in variable $SelectInboxStatus$ and session "Default"
10     Message box "SelectInbox status : $SelectInboxStatus$"
11     DLL: Run function "GetAllMailIDsArray" and store output in variable $mailIDs$ and session "Default"
12     Message box $mailIDs[0]$
13     Loop : For each item in the list
14         DLL: Run function "SelectMailItem" and store output in variable $vSubject$ and session "Default"
15         DLL: Run function "GetSubject" and store output in variable $vSubject$ and session "Default"
16         Message box "Subject : $vSubject$"
17     DLL: Run function "CloseOutlook" and store output in variable $SelectInboxStatus$ and session "Default"
18     DLL: Close session "Default"
19  Error handler: Catch AllErrors
20     Message box "ERROR : $ErrorMessage$ at line $ErrorLineNumber.Number:toString$"
21     DLL: Run function "CloseOutlook" and store output in variable $SelectInboxStatus$ and session "Default"
22     DLL: Close session "Default"
```

DLL: Run function

Runs a specific DLL function with parameters

Required bot agent version: 21.220 or above

DLL session
Default

Enter the namespace
OutlookWrapper

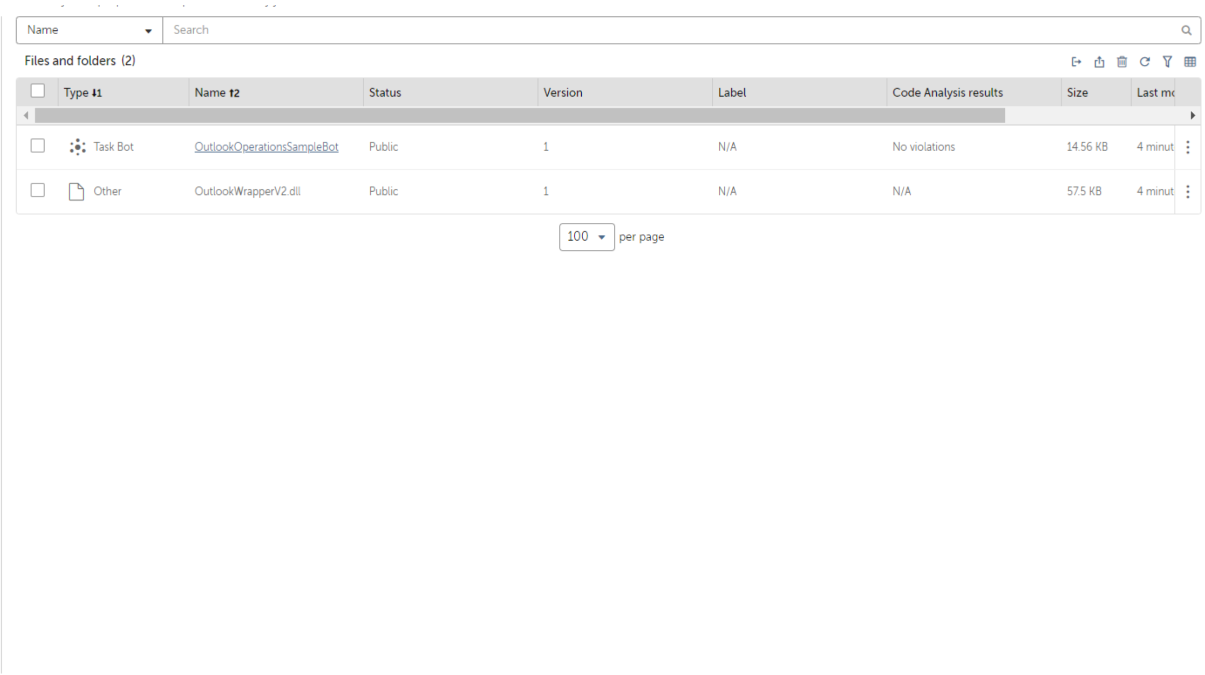
Enter the class name
OutlookWrapper

Enter the name of function to be executed
LaunchOutlook
e.g. AddNumbers

Input parameters (1)

Parameter name	Parameter type	Parameter value
"DelayAfterLaunch"	Int	30

Assign output to variable (optional)
LaunchStatus



Name ▾ Search

Files and folders (2)

□	Type ↓1	Name ↑2	Status	Version	Label	Code Analysis results	Size	Last mo
□	Task Bot	OutlookOperationsSampleBot	Public	1	N/A	No violations	14.56 KB	4 minut
□	Other	OutlookWrapperV2.dll	Public	1	N/A	N/A	57.5 KB	4 minut

100 ▾ per page

4. Support & FAQs

4.1 Support

Free bots are not officially supported. You can get access to Community Support through the following channels:

- You can get access to Community Support, connecting with other Automation Anywhere customers and developers on APeople – the Bot Building Forum, the Bot Store Support Forum, or the Developers Everywhere Group.
- Automation Anywhere also provides a Product Documentation portal which can be accessed for more information about our products and guidance on Enterprise A2019.

4.2 FAQs

Q: Can I make changes to this bot?

A: Absolutely. Free bots are for you to make use of, customize, and/or include in your builds as you see fit.

Q: Can I upgrade the packages for this bot?

A: Yes – but know that the bot was created/tested on a specific package version. Any modifications to that may result in unexpected outcomes – so make sure to test the bot/subtask after making any package version modifications.

Q: How can I change the output format of the bot?

A: When calling a subtask, the return value is always of type dictionary, and the value(s) returned from the subtask can be access through their specific variable names as a key within the dictionary. Once that value has been returned, the resulting number could be converted to a string should you need it to be.

For questions relating to Enterprise A2019: See the Enterprise A360 FAQs.

Appendix A: Record of Changes

No.	Version Number	Date of Change	Author	Notes
1	1.0.0.0	01/30/2023	Sikha P	

Appendix B: References

No.	Topic	Reference Link
1	Overview of Enterprise A360	Click here
2	Guidance: Building basic A360 bots	Click here
3	Guidance: Building A360 action packages	Click here
4	APeople Community Forum	Click here
5	Automation Anywhere University	Click here

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